

Project No. 1251-100
Crude Oil Tank Farms Project, Agrood Area 30 (Module-1)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
1	Mechanical Completion Certificate (MCC)	
2	Ready for Startup Certificate (RFSU)	
3	System Punch Lists	
4	System Limits Marked Up P&ID	
5	System Index	
6	Piping Pre-Commissioning	
	6.01) Piping Test Packs	
	6.02) Piping Pre-commissioning Check Lists	
7	Piping Commissioning	
	7.01) Service Test, GLT, CLT and N2 Purging Certificates	
	7.02) Piping Commissioning Check Lists	
Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
8	Mechanical Pre-Commissioning	
	8.01) System Mechanical Index	
	8.02) Equipment Drawings	
	8.03) Equipment Datasheets	
	8.04) Boxing-up Certificates	

	8.05) Grouting Certificates	
	8.06) Pre-Alignment Certificates	
	8.07) Mechanical Pre-Commissioning Checklists	
9	Mechanical Commissioning	
	9.01) Final Alignment Certificates	
	9.02) Motor Solo Run Certificates	
	9.03) Mechanical Run Test (MRT) Certificates	
	9.04) Mechanical Commissioning Checklists	
	9.05) Mechanical Supplier Check Lists & Reports	
10	Instrumentation Pre-Commissioning	
	10.01) System Instrument Index	
	10.02) Instrument Data Sheets	
	10.03) Instrument Cable Schedule	
	10.04) System Instrumentation Wiring Diagram	
	10.05) Hook-up Drawing (Mechanical & Pneumatic)	
	10.06) Instruments Cables Schedule	
	10.07) Instruments Cables Laying Certificates	
	10.08) Instruments Cables Termination Certificates	
	10.09) Instruments Cables Testing Certificates	
	10.10) Instruments Calibration Certificates	
	10.11) Instrument Loop Checks Certificates	
	10.12) Instrumentation Pre-Commissioning Check Lists	
	10.13) Instrumentation Supplier Check Lists & Reports	
11	Instrumentation Commissioning	
	11.01) Instrumentation Function Test Certificates	
	11.02) Instrumentation Supplier Check Lists & Reports	
Sr.	Pre-Commissioning and Commissioning Dossier Index	Applicable (Yes/No)
12	Electrical Pre-Commissioning	
	12.01) System Electrical Index	
	12.02) Electrical Drawings	
	12.03) Motor Datasheets	
	12.04) Electrical Cables Schedule	
	12.05) Electrical Cables Laying Certificates	
	12.06) Electrical Cables Testing Certificates	
	12.07) Electrical Cables Termination Certificates	
	12.08) FAT Reports & Certificates	
	12.09) SAT Reports & Certificates	
	12.10) Electrical Pre-Commissioning Check Lists	
	12.11) Electrical Supplier Check Lists & Reports	

13	Electrical Commissioning	
	13.01) Electrical -Commissioning Check Lists	
	13.02) Electrical Supplier Check Lists & Reports	
14	Red Marked-up Drawings	
	14.01) P&ID	
	14.02) Instrumentation Drawings	
	14.03) Electrical Drawings	



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

1-Mechanical Completion Certificate (MCC)



SYSTEM MECHANICAL COMPLETION CERTIFICATE (MCC)

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT (AGROOD-30)

PROJECT No : 1251-100 (AGROOD-30)

SYSTEM NAME : Portable Fire Protection Equipment System

SYSTEM ID : 030-LP-004

THIS IS TO CERTIFY THAT:

- THE ABOVE SYSTEM HAS BEEN FABRICATED, ERECTED, INSTALLED AND TESTED TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS, THE APPLICABLE CODES AND STANDARDS.
- ALL PRE-COMMISSIONING RELEVANT ACTIVITIES, TESTS, INSPECTIONS AND CHECKS HAVE BEEN CARRIED OUT FOR THIS SYSTEM AND FOUND ACCEPTABLE.
- Q/C DOCUMENTATION OF THE ABOVE SYSTEM HAS BEEN AUDITED BY THE CUSTOMER SITE QUALITY CONTROL AND FOUND COMPLETED.
- ALL PUNCH LIST ITEMS CATEGORY (A) IN THIS SUBSYSTEM WERE CLEARED.
- THIS SYTEM IS MECHANICALLY COMPLETED ON THE DATE AND READY FOR COMMISSIONING (RFC) WITH THE FOLLOWING EXCEPTIONS.

EXCEPTIONS :

NOTE: ACCEPTANCE OF THE ABOVE SYSTEM DOES NOT RELIEVE ENPPI/PETROJET FROM THEIR CONTRACTUAL OBLIGATIONS AND RESPONSIBILITIES.

COMPANY	PETROJET	ENPPI	PMC
NAME	Amr Gamal	Osama Elsayed	M. Saleh
TITLE	Cons.-Eng.	Comm. Eng	Site Manager
SIGNATURE			
DATE			



SYSTEM MECHANICAL COMPLETION CERTIFICATE (MCC)

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT (AGROOD-30)

PROJECT No : 1251-100 (AGROOD-30)

SYSTEM NAME : Portable Fire Protection Equipment System

SYSTEM ID : 030-LP-004

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- THE ABOVE SYSTEM HAS BEEN FABRICATED, ERECTED, INSTALLED AND TESTED TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS, SPECIFICATIONS, THE APPLICABLE CODES AND STANDARDS.
- ALL PRE-COMMISSIONING RELEVANT ACTIVITIES, TESTS, INSPECTIONS AND CHECKS HAVE BEEN CARRIED OUT FOR THIS SYSTEM AND FOUND ACCEPTABLE.
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NOTE: ACCEPTANCE OF THE ABOVE SYSTEM DOES NOT RELIEVE ENPPI/PETROJET FROM THEIR CONTRACTUAL OBLIGATIONS AND RESPONSIBILITIES.

COMPANY	PETROJET	ENPPI	PMC
NAME	Amr Gamal	Osama Elsayed	M. Saleh
TITLE	Cons.-Eng.	Comm. Eng	Site Manager
SIGNATURE			
DATE			

اسم المشروع : مشروع مستودعات الخام الاستراتيجي - منطقة عجروود		محضر اجتماع
رقم المشروع : 1251-100	التاريخ : 2021-9-30	
مالك المشروع : الهيئة العامة المصرية للبترول (شركة أنابيب البترول)		
مكان الاجتماع : غرفة الاجتماعات - عجروود		لغرض من الاجتماع :
تاريخ الاجتماع : 2021-9-30	الإدارة :	
ملف رقم :	اجتماع رقم :	
محضر تسليم طفايات الحريق الخاصة بمبنى محطة الكهرباء بموقعي عجروود (الشركة العامة والتعاون)		
<p>حاضرون :</p> <p>بتروجت</p> <p>أنبي</p> <p>شركة أنابيب البترول</p> <p>المحضر</p> <p>الصح</p> <p>محمد يسري السيد</p> <p>Amr Elshor</p> <p>Commissioning</p>		
صورة إلى :		

محضر اجتماع (تابع)

بدرقم	التوصيف	التنفيذ	التاريخ															
	<ul style="list-style-type: none"> تم الاجتماع بين ممثلي شركة انبي وشركة بتروجت وشركة انابيب البترول بخصوص تسليم طفايات الحريق الخاصة بمبنى محطة الكهرباء بموقعي عجرود (الشركة العامة والتعاون) تم تسليم طفايات الحريق الخاصة بمبنى محطة الكهرباء بموقعي عجرود (الشركة العامة والتعاون) فقط طبقاً للرسومات الهندسية إلى ممثلي السلامة والصحة المهنية لشركة أنابيب البترول لم يتم تسليم الطفايات الخاصة بما هو خارج محطة الكهرباء بموقعي عجرود (الشركة العامة والتعاون) وتم الاتفاق على تسليمها إلى ممثلي السلامة والصحة المهنية لشركة أنابيب البترول بعد الانتهاء من جميع الأعمال خارج المحطة (Outdoor). الجدول المرفق يوضح توصيف الطفايات التي تم تسليمها لممثلي السلامة والصحة المهنية لشركة أنابيب البترول في تاريخه. تم الاتفاق على تركيب الطفايات بواسطة شركة بتروجت حسب الرسومات الهندسية. 	<p>للعلم</p> <p>للعلم</p> <p>للعلم</p> <p>للعلم</p> <p>بتروجت</p>																
<table border="1"> <thead> <tr> <th>Area</th><th>Type</th><th>Quantity</th></tr> </thead> <tbody> <tr> <td>30</td><td>7.7 KG PORTABLE DRY CHEMICAL FIRE EXTINGUISHER</td><td>5</td></tr> <tr> <td>30</td><td>6.8 KG PORTABLE CARBON DIOXIDE FIRE EXTINGUISHER</td><td>13</td></tr> <tr> <td>31</td><td>7.7 KG PORTABLE DRY CHEMICAL FIRE EXTINGUISHER</td><td>5</td></tr> <tr> <td>31</td><td>6.8 KG PORTABLE CARBON DIOXIDE FIRE EXTINGUISHER</td><td>13</td></tr> </tbody> </table>				Area	Type	Quantity	30	7.7 KG PORTABLE DRY CHEMICAL FIRE EXTINGUISHER	5	30	6.8 KG PORTABLE CARBON DIOXIDE FIRE EXTINGUISHER	13	31	7.7 KG PORTABLE DRY CHEMICAL FIRE EXTINGUISHER	5	31	6.8 KG PORTABLE CARBON DIOXIDE FIRE EXTINGUISHER	13
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31	6.8 KG PORTABLE CARBON DIOXIDE FIRE EXTINGUISHER	13																

الصحة
السلامة

Enppi
Shah
80.8.21

15/8



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

2- Ready for Startup Certificate (RFSU)

READY FOR START UP CERTIFICATE

PROJECT TITLE : EGPC CRUDE OIL TANK FARMS PROJECT (AGROOD-30)

PROJECT No. : 1251-100 (AGROOD-30)



SYSTEM /AREA /PLANT : Portable Fire Protection Equipment System

SYSTEM /AREA /PLANT No. : 030-LP-004

THIS IS TO CERTIFY THAT:

- THE MENTIONED SYSTEM /AREA /PLANT IS READY FOR START UP WHERE ALL MECHANICAL WORKS, PRECOMMISSIONING AND COMMISSIONING ACTIVITIES HAVE BEEN SUCCESSFULLY COMPLETED.
- MECHANICAL COMPLETION CERTIFICATE(S) FOR THE MENTIONED SYSTEM / AREA / PLANT HAVE BEEN SIGNED.
- ISSUANCE OF THIS READY FOR START UP CERTIFICATE(S) SHALL NOT RELIEVE CONTRACTOR(S) FROM THEIR OBLIGATIONS TO COMPLETE THE REMAINING SYSTEMS NOR FROM THEIR WARRANTY OBLIGATIONS AND OTHER PROVISIONS OF THE CONTRACT.
- THE FOLLOWING EXCEPTIONS AGREED TO BE CLEARED AFTER START UP AND WILL NOT PREVENT START UP ACTIVITIES.

EXCEPTIONS :

COMPANY	ENPPI	PPC
NAME	Osama Elsaied	M. Saïen
TITLE	Comm. Eng	Site Manager
SIGNATURE		
DATE	22/3/2022	



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

3- System Punch Lists

Agreed 1



PUNCH LIST



PROJECT TITLE : CRUDE OIL TANK FARM PROJECT (AGROOD AREA)

PROJECT NUMBER : 01251-100

DISCIPLINE: Loss Prevention

SYSTEM NAME: Portable Fire Protection Equipment System

SYSTEM ID: 030-LP-004

SUB-SYSTEM NAME:

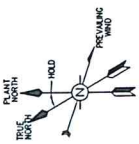
SUB-SYSTEM ID:

NO	DESCRIPTION	CAT	ACTION BY	DISP	CLEARANCE APPROVED BY	
1	All system CO ₂ Extinguishers to be installed <i>(2 units)</i>	A	PTJ	Mech		
2	All Dry chemical Extinguishers to be installed <i>(5 units)</i>	A	PTJ	Mech		
3	Foam trailer to be installed	A	PTJ	Mech		
4	Mobile Foam unit to be installed (4 units)	A	PTJ	Mech		
5	Wheeled CO ₂ chemical extinguisher to be installed + wheeled Dry chemical extinguisher	A	PTJ	Mech		
6	All Safety equipment [Fire blanket, First Aid Kit cabinet, Safety sign, stretcher, wind sock] to be installed	A	PTJ	Mech		
Note: All above items to be installed at their locations as per attached drawings						

CAT: CATEGORY(A,B,C) ,ACTION BY: (ENPPI,CONST.CONTRACTOR,SUPPLIER.....) , DISP: DISCIPLINE(PIP,MECH,ELECT,INST.....)

COMPANY	PTJ	ENPPI	PMC
NAME		Abdullah Fathy	M. Saleh
SIGN.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
DATE			

030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	030-FE-01	CO2 Extinguisher	Checklist	LP-06 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	030-FE-01	Dry Chemical Fire Extinguisher	Checklist	LP-06 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	030-FE-01	Foam Trailer	Checklist	LP-08 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	030-MFU-001	MOBILE FOAM UNIT	Checklist	LP-07 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	FIRE BLANKET	SAFETY EQUIPMENT	Checklist	LP-09 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	FIRST AID KIT CABINET	SAFETY EQUIPMENT	Checklist	LP-09 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	SAFETY SIGNS	SAFETY EQUIPMENT	Checklist	LP-09 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	STRETCHER	SAFETY EQUIPMENT	Checklist	LP-09 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	WIND SOCK	SAFETY EQUIPMENT	Checklist	LP-09 A	Required
030-LP-004	Portable Fire Protection Equipment System	Loss Prevention	030-FE-03	Wheeled CO2 Extinguisher	Checklist	LP-06 A	Required



DOCUMENT NUMBER	DESCRIPTION
1251-100-030-222	SUBSTATION FIRST FLOOR PLAN

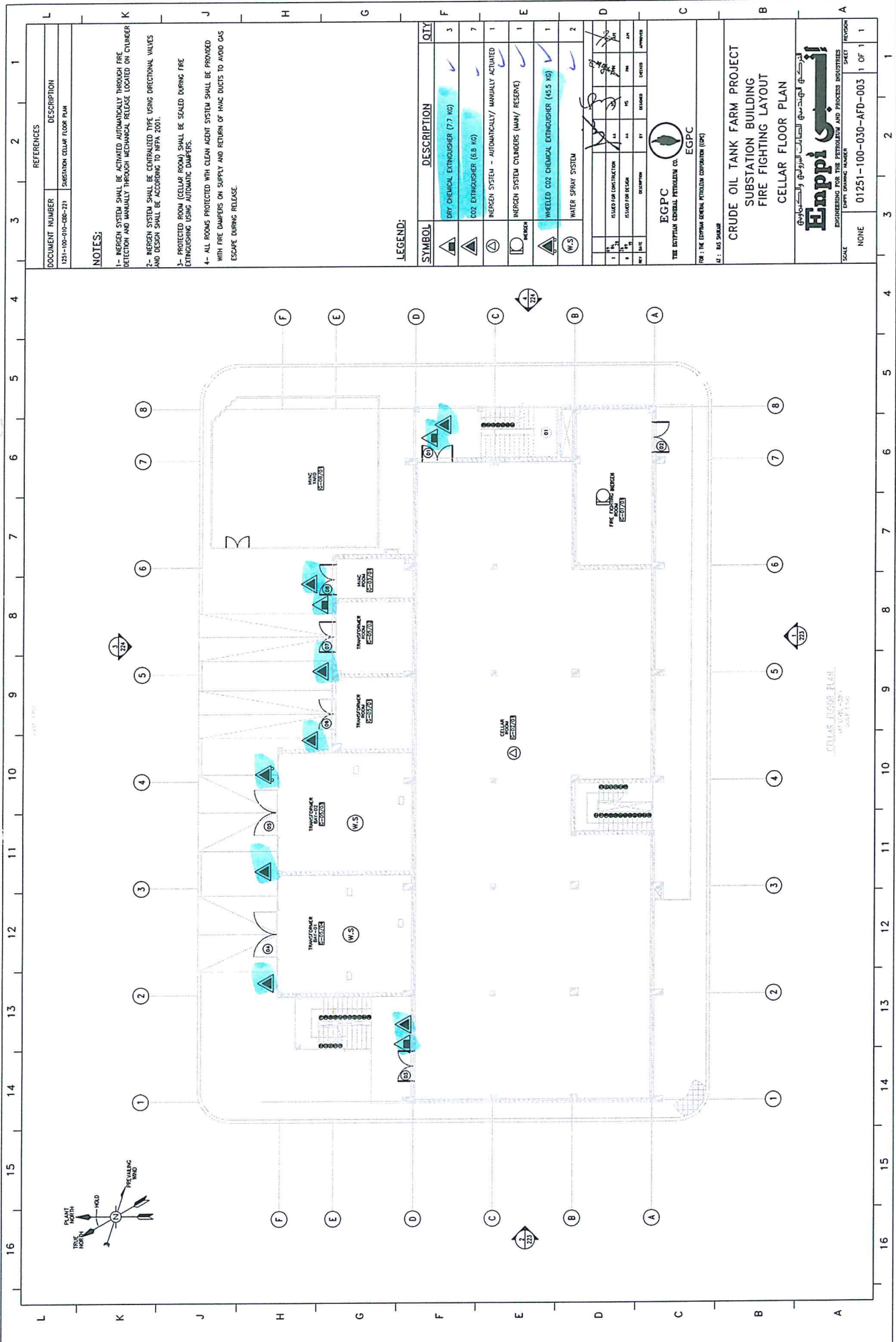
NOTES:

- 1- INERTEN SYSTEM SHALL BE ACTIVATED AUTOMATICALLY THROUGH FIRE DETECTION AND MANUALLY THROUGH MECHANICAL RELEASE LOCATED ON CINDER SING.
- 2- INERTEN SYSTEM SHALL BE CENTRAIZED TYPE USING DIRECTIONAL VALVES AND DESIGN SHALL BE ACCORDING TO NFPA 2001.
- 3- ALL ROOMS PROTECTED WITH CLEAN AGENT SYSTEM SHALL BE PROVIDED WITH FIRE DAMPERS ON SUPPLY AND RETURN OF HVAC DUCTS TO AVOID GAS ESCAPE DURING RELEASE.

LEGEND:

SYMBOL	DESCRIPTION	QTY
	DRY CHEMICAL EXTINGUISHER (7.7 KG)	2
	CO2 EXTINGUISHER (6.8 KG)	5
	INERTEN SYSTEM - AUTOMATICALLY/ MANUALLY ACTIVATED	4
	EYE WASH UNIT	1
	STRETCHER	1
	FIRST AID KIT	1
	FIRE BLANKET	1

NO.	DESCRIPTION	NO.	NO.	NO.	NO.
1	ISSUED FOR CONSTRUCTION	4	NO.	NO.	NO.
2	ISSUED FOR AS-BUILT	5	NO.	NO.	NO.
3	ISSUED FOR OPERATION	6	NO.	NO.	NO.
4	ISSUED FOR MAINTENANCE	7	NO.	NO.	NO.
5	ISSUED FOR DEMOLITION	8	NO.	NO.	NO.
6	ISSUED FOR REPAIR	9	NO.	NO.	NO.
7	ISSUED FOR RENOVATION	10	NO.	NO.	NO.
8	ISSUED FOR REPLACEMENT	11	NO.	NO.	NO.
9	ISSUED FOR REPAIR	12	NO.	NO.	NO.
10	ISSUED FOR RENOVATION	13	NO.	NO.	NO.
11	ISSUED FOR REPLACEMENT	14	NO.	NO.	NO.
12	ISSUED FOR REPAIR	15	NO.	NO.	NO.
13	ISSUED FOR RENOVATION	16	NO.	NO.	NO.
14	ISSUED FOR REPLACEMENT	17	NO.	NO.	NO.
15	ISSUED FOR REPAIR	18	NO.	NO.	NO.
16	ISSUED FOR RENOVATION	19	NO.	NO.	NO.
17	ISSUED FOR REPLACEMENT	20	NO.	NO.	NO.
18	ISSUED FOR REPAIR	21	NO.	NO.	NO.
19	ISSUED FOR RENOVATION	22	NO.	NO.	NO.
20	ISSUED FOR REPLACEMENT	23	NO.	NO.	NO.
21	ISSUED FOR REPAIR	24	NO.	NO.	NO.
22	ISSUED FOR RENOVATION	25	NO.	NO.	NO.
23	ISSUED FOR REPLACEMENT	26	NO.	NO.	NO.
24	ISSUED FOR REPAIR	27	NO.	NO.	NO.
25	ISSUED FOR RENOVATION	28	NO.	NO.	NO.
26	ISSUED FOR REPLACEMENT	29	NO.	NO.	NO.
27	ISSUED FOR REPAIR	30	NO.	NO.	NO.
28	ISSUED FOR RENOVATION	31	NO.	NO.	NO.
29	ISSUED FOR REPLACEMENT	32	NO.	NO.	NO.
30	ISSUED FOR REPAIR	33	NO.	NO.	NO.
31	ISSUED FOR RENOVATION	34	NO.	NO.	NO.
32	ISSUED FOR REPLACEMENT	35	NO.	NO.	NO.
33	ISSUED FOR REPAIR	36	NO.	NO.	NO.
34	ISSUED FOR RENOVATION	37	NO.	NO.	NO.
35	ISSUED FOR REPLACEMENT	38	NO.	NO.	NO.
36	ISSUED FOR REPAIR	39	NO.	NO.	NO.
37	ISSUED FOR RENOVATION	40	NO.	NO.	NO.
38	ISSUED FOR REPLACEMENT	41	NO.	NO.	NO.
39	ISSUED FOR REPAIR	42	NO.	NO.	NO.
40	ISSUED FOR RENOVATION	43	NO.	NO.	NO.
41	ISSUED FOR REPLACEMENT	44	NO.	NO.	NO.
42	ISSUED FOR REPAIR	45	NO.	NO.	NO.
43	ISSUED FOR RENOVATION	46	NO.	NO.	NO.
44	ISSUED FOR REPLACEMENT	47	NO.	NO.	NO.
45	ISSUED FOR REPAIR	48	NO.	NO.	NO.
46	ISSUED FOR RENOVATION	49	NO.	NO.	NO.
47	ISSUED FOR REPLACEMENT	50	NO.	NO.	NO.
48	ISSUED FOR REPAIR	51	NO.	NO.	NO.
49	ISSUED FOR RENOVATION	52	NO.	NO.	NO.
50	ISSUED FOR REPLACEMENT	53	NO.	NO.	NO.
51	ISSUED FOR REPAIR	54	NO.	NO.	NO.
52	ISSUED FOR RENOVATION	55	NO.	NO.	NO.
53	ISSUED FOR REPLACEMENT	56	NO.	NO.	NO.
54	ISSUED FOR REPAIR	57	NO.	NO.	NO.
55	ISSUED FOR RENOVATION	58	NO.	NO.	NO.
56	ISSUED FOR REPLACEMENT	59	NO.	NO.	NO.
57	ISSUED FOR REPAIR	60	NO.	NO.	NO.
58	ISSUED FOR RENOVATION	61	NO.	NO.	NO.
59	ISSUED FOR REPLACEMENT	62	NO.	NO.	NO.
60	ISSUED FOR REPAIR	63	NO.	NO.	NO.
61	ISSUED FOR RENOVATION	64	NO.	NO.	NO.
62	ISSUED FOR REPLACEMENT	65	NO.	NO.	NO.
63	ISSUED FOR REPAIR	66	NO.	NO.	NO.
64	ISSUED FOR RENOVATION	67	NO.	NO.	NO.
65	ISSUED FOR REPLACEMENT	68	NO.	NO.	NO.
66	ISSUED FOR REPAIR	69	NO.	NO.	NO.
67	ISSUED FOR RENOVATION	70	NO.	NO.	NO.
68	ISSUED FOR REPLACEMENT	71	NO.	NO.	NO.
69	ISSUED FOR REPAIR	72	NO.	NO.	NO.
70	ISSUED FOR RENOVATION	73	NO.	NO.	NO.
71	ISSUED FOR REPLACEMENT	74	NO.	NO.	NO.
72	ISSUED FOR REPAIR	75	NO.	NO.	NO.
73	ISSUED FOR RENOVATION	76	NO.	NO.	NO.
74	ISSUED FOR REPLACEMENT	77	NO.	NO.	NO.
75	ISSUED FOR REPAIR	78	NO.	NO.	NO.
76	ISSUED FOR RENOVATION	79	NO.	NO.	NO.
77	ISSUED FOR REPLACEMENT	80	NO.	NO.	NO.
78	ISSUED FOR REPAIR	81	NO.	NO.	NO.
79	ISSUED FOR RENOVATION	82	NO.	NO.	NO.
80	ISSUED FOR REPLACEMENT	83	NO.	NO.	NO.
81	ISSUED FOR REPAIR	84	NO.	NO.	NO.
82	ISSUED FOR RENOVATION	85	NO.	NO.	NO.
83	ISSUED FOR REPLACEMENT	86	NO.	NO.	NO.
84	ISSUED FOR REPAIR	87	NO.	NO.	NO.
85	ISSUED FOR RENOVATION	88	NO.	NO.	NO.
86	ISSUED FOR REPLACEMENT	89	NO.	NO.	NO.
87	ISSUED FOR REPAIR	90	NO.	NO.	NO.
88	ISSUED FOR RENOVATION	91	NO.	NO.	NO.
89	ISSUED FOR REPLACEMENT	92	NO.	NO.	NO.
90	ISSUED FOR REPAIR	93	NO.	NO.	NO.
91	ISSUED FOR RENOVATION	94	NO.	NO.	NO.
92	ISSUED FOR REPLACEMENT	95	NO.	NO.	NO.
93	ISSUED FOR REPAIR	96	NO.	NO.	NO.
94	ISSUED FOR RENOVATION	97	NO.	NO.	NO.
95	ISSUED FOR REPLACEMENT	98	NO.	NO.	NO.
96	ISSUED FOR REPAIR	99	NO.	NO.	NO.
97	ISSUED FOR RENOVATION	100	NO.	NO.	NO.
98	ISSUED FOR REPLACEMENT	101	NO.	NO.	NO.
99	ISSUED FOR REPAIR	102	NO.	NO.	NO.
100	ISSUED FOR RENOVATION	103	NO.	NO.	NO.
101	ISSUED FOR REPLACEMENT	104	NO.	NO.	NO.
102	ISSUED FOR REPAIR	105	NO.	NO.	NO.
103	ISSUED FOR RENOVATION	106	NO.	NO.	NO.
104	ISSUED FOR REPLACEMENT	107	NO.	NO.	NO.
105	ISSUED FOR REPAIR	108	NO.	NO.	NO.
106	ISSUED FOR RENOVATION	109	NO.	NO.	NO.
107	ISSUED FOR REPLACEMENT	110	NO.	NO.	NO.
108	ISSUED FOR REPAIR	111	NO.	NO.	NO.
109	ISSUED FOR RENOVATION	112	NO.	NO.	NO.
110	ISSUED FOR REPLACEMENT	113	NO.	NO.	NO.
111	ISSUED FOR REPAIR	114	NO.	NO.	NO.
112	ISSUED FOR RENOVATION	115	NO.	NO.	NO.
113	ISSUED FOR REPLACEMENT	116	NO.	NO.	NO.
114	ISSUED FOR REPAIR	117	NO.	NO.	NO.
115	ISSUED FOR RENOVATION	118	NO.	NO.	NO.
116	ISSUED FOR REPLACEMENT	119	NO.	NO.	NO.
117	ISSUED FOR REPAIR	120	NO.	NO.	NO.
118	ISSUED FOR RENOVATION	121	NO.	NO.	NO.
119	ISSUED FOR REPLACEMENT	122	NO.	NO.	NO.
120	ISSUED FOR REPAIR	123	NO.	NO.	NO.
121	ISSUED FOR RENOVATION	124	NO.	NO.	NO.
122	ISSUED FOR REPLACEMENT	125	NO.	NO.	NO.
123	ISSUED FOR REPAIR	126	NO.	NO.	NO.
124	ISSUED FOR RENOVATION	127	NO.	NO.	NO.
125	ISSUED FOR REPLACEMENT	128	NO.	NO.	NO.
126	ISSUED FOR REPAIR	129	NO.	NO.	NO.
127	ISSUED FOR RENOVATION	130	NO.	NO.	NO.
128	ISSUED FOR REPLACEMENT	131	NO.	NO.	NO.
129	ISSUED FOR REPAIR	132	NO.	NO.	NO.
130	ISSUED FOR RENOVATION	133	NO.	NO.	NO.
131	ISSUED FOR REPLACEMENT	134	NO.	NO.	NO.
132	ISSUED FOR REPAIR	135	NO.	NO.	NO.
133	ISSUED FOR RENOVATION	136	NO.	NO.	NO.
134	ISSUED FOR REPLACEMENT	137	NO.	NO.	NO.
135	ISSUED FOR REPAIR	138	NO.	NO.	NO.
136	ISSUED FOR RENOVATION	139	NO.	NO.	NO.
137	ISSUED FOR REPLACEMENT	140	NO.	NO.	NO.
138	ISSUED FOR REPAIR	141	NO.	NO.	NO.
139	ISSUED FOR RENOVATION	142	NO.	NO.	NO.
140	ISSUED FOR REPLACEMENT	143	NO.	NO.	NO.
141	ISSUED FOR REPAIR	144	NO.	NO.	NO.
142	ISSUED FOR RENOVATION	145	NO.	NO.	NO.
143	ISSUED FOR REPLACEMENT	146	NO.	NO.	NO.
144	ISSUED FOR REPAIR	147	NO.	NO.	NO.
145	ISSUED FOR RENOVATION	148	NO.	NO.	NO.
146	ISSUED FOR REPLACEMENT	149	NO.	NO.	NO.
147	ISSUED FOR REPAIR	150	NO.	NO.	NO.
148	ISSUED FOR RENOVATION	151	NO.	NO.	NO.
149	ISSUED FOR REPLACEMENT	152	NO.	NO.	NO.
150	ISSUED FOR REPAIR	153	NO.	NO.	NO.
151	ISSUED FOR RENOVATION	154	NO.	NO.	NO.
152	ISSUED FOR REPLACEMENT	155	NO.	NO.	NO.
153	ISSUED FOR REPAIR	156	NO.	NO.	NO.
154	ISSUED FOR RENOVATION	157	NO.	NO.	NO.
155	ISSUED FOR REPLACEMENT	158	NO.	NO.	NO.
156	ISSUED FOR REPAIR	159	NO.	NO.	NO.
157	ISSUED FOR RENOVATION	160	NO.	NO.	NO.
158	ISSUED FOR REPLACEMENT	161	NO.	NO.	NO.
159	ISSUED FOR REPAIR	162	NO.	NO.	NO.
160	ISSUED FOR RENOVATION	163	NO.	NO.	NO.
161	ISSUED FOR REPLACEMENT	164	NO.	NO.	NO.
162	ISSUED FOR REPAIR	165	NO.	NO.	NO.
163	ISSUED FOR RENOVATION	166	NO.	NO.	NO.
164	ISSUED FOR REPLACEMENT	167	NO.	NO.	NO.
165	ISSUED FOR REPAIR	168	NO.	NO.	NO.
166	ISSUED FOR RENOVATION	169	NO.	NO.	NO.
167	ISSUED FOR REPLACEMENT	170	NO.	NO.	NO.
168	ISSUED FOR REPAIR	171	NO.	NO.	NO.
169	ISSUED FOR RENOVATION	172	NO.	NO.	NO.
170	ISSUED FOR REPLACEMENT	173	NO.	NO.	NO.
171	ISSUED FOR REPAIR	174	NO.	NO.	NO.
172	ISSUED FOR RENOVATION	175	NO.	NO.	NO.
173	ISSUED FOR REPLACEMENT	176	NO.	NO.	NO.
174	ISSUED FOR REPAIR	177	NO.	NO.	NO.
175	ISSUED FOR RENOVATION	178	NO.	NO.	NO.
176	ISSUED FOR REPLACEMENT	179	NO.	NO.	NO.
177	ISSUED FOR REPAIR	180	NO.	NO.	NO.
178	ISSUED FOR RENOVATION	181	NO.	NO.	NO.
179	ISSUED FOR REPLACEMENT	182	NO.	NO.	NO.
180	ISSUED FOR REPAIR	183	NO.	NO.	NO.
181	ISSUED FOR RENOVATION	184	NO.	NO.	NO.
182	ISSUED FOR REPLACEMENT	185	NO.	NO.	NO.
183	ISSUED FOR REPAIR	186	NO.	NO.	NO.
184	ISSUED FOR RENOVATION	187	NO.	NO.	NO.
185	ISSUED FOR REPLACEMENT	188	NO.	NO.	NO.
186	ISSUED FOR REPAIR	189	NO.	NO.	NO.
187	ISSUED FOR RENOVATION	190	NO.	NO.	NO.
188	ISSUED FOR REPLACEMENT	191	NO.	NO.	NO.
189	ISSUED FOR REPAIR	192	NO.	NO.	NO.
190	ISSUED FOR RENOVATION	193	NO.	NO.	NO.
191	ISSUED FOR REPLACEMENT	194	NO.	NO.	NO.
192	ISSUED FOR REPAIR	195	NO.	NO.	NO.
193	ISSUED FOR RENOVATION	196	NO.	NO.	NO.
194	ISSUED FOR REPLACEMENT	197	NO.	NO.	NO.
195	ISSUED FOR REPAIR	198	NO.	NO.	NO.
196	ISSUED FOR RENOVATION	199	NO.	NO.	NO.
197	ISSUED FOR REPLACEMENT	200	NO.	NO.	NO.
198	ISSUED FOR REPAIR	201	NO.	NO.	NO.
199	ISSUED FOR RENOVATION	202	NO.	NO.	NO.
200	ISSUED FOR REPLACEMENT	203	NO.	NO.	NO.
201	ISSUED FOR REPAIR	204	NO.	NO.	NO.
202	ISSUED FOR RENOVATION	205	NO.	NO.	NO.
203	ISSUED FOR REPLACEMENT	206	NO.	NO.	NO.
204	ISSUED FOR REPAIR	207	NO.	NO.	NO.
205	ISSUED FOR RENOVATION	208	NO.	NO.	NO.
206	ISSUED FOR REPLACEMENT	209	NO.	NO.	NO.
207	ISSUED FOR REPAIR	210	NO.	NO.	NO.
208	ISSUED FOR RENOVATION	211	NO.	NO.	NO.
209	ISSUED FOR REPLACEMENT	212	NO.	NO.	NO.
210	ISSUED FOR REPAIR	213	NO.	NO.	NO.
211	ISSUED FOR RENOVATION	214	NO.	NO.	NO.
212	ISSUED FOR REPLACEMENT	215	NO.	NO.	NO.
213	ISSUED FOR REPAIR	216	NO.	NO.	NO.
214	ISSUED FOR RENOVATION	217	NO.	NO.	NO.
215	ISSUED FOR REPLACEMENT	218	NO.	NO.	NO.
216	ISSUED FOR REPAIR	219	NO.	NO.	NO.
217	ISSUED FOR RENOVATION	220	NO.	NO.	NO.
218	ISSUED FOR REPLACEMENT	221	NO.	NO.	NO.
219	ISSUED FOR REPAIR	222	NO.	NO.	NO.
220	ISSUED FOR RENOVATION	223	NO.	NO.	NO.
221	ISSUED FOR REPLACEMENT	224	NO.	NO.	NO.
222	ISSUED FOR REPAIR	225	NO.	NO.	NO.
223	ISSUED FOR RENOVATION	226	NO.	NO.	NO.
224	ISSUED FOR REPLACEMENT	227	NO.	NO.	NO.
225	ISSUED FOR REPAIR	228	NO.	NO.	NO.
226	ISSUED FOR RENOVATION	229	NO.	NO.	NO.
227	ISSUED FOR REPLACEMENT	230	NO.	NO.	NO.
228	ISSUED FOR REPAIR	231	NO.	NO.	NO.
229	ISSUED FOR RENOVATION	232	NO.	NO.	NO.
230	ISSUED FOR REPLACEMENT	233	NO.	NO.	NO.
231	ISSUED FOR REPAIR	234	NO.	NO.	NO.
232	ISSUED FOR RENOVATION	235	NO.	NO.	NO.
233	ISSUED FOR REPLACEMENT	236	NO.	NO.	NO.
234	ISSUED FOR REPAIR	237	NO.	NO.	NO.
235	ISSUED FOR				



DOCUMENT NUMBER	DESCRIPTION
1251-100-030-CBG-221	SUBSTATION CELLAR FLOOR PLAN

NOTES:

1- INERT GAS SYSTEM SHALL BE ACTIVATED AUTOMATICALLY THROUGH FIRE DETECTION AND MANUALLY THROUGH MECHANICAL RELEASE LOCATED ON CYLINDER

2- INERT GAS SYSTEM SHALL BE CENTRALIZED TYPE USING DIRECTIONAL VALVES AND DESIGN SHALL BE ACCORDING TO NFPA 2001.

3- PROTECTED ROOM (CELLAR ROOM) SHALL BE SEALED DURING FIRE EXTINGUISHING USING AUTOMATIC DAMPERS.

4- ALL ROOMS PROTECTED WITH CLEAN AGENT SYSTEM SHALL BE PROVIDED WITH FIRE DAMPERS ON SUPPLY AND RETURN OF HVAC DUCTS TO AVOID GAS ESCAPE DURING RELEASE.

LEGEND:

SYMBOL	DESCRIPTION	QTY
	DRY CHEMICAL EXTINGUISHER (7.7 KG)	3
	CO2 EXTINGUISHER (6.8 KG)	7
	INERT GAS SYSTEM - AUTOMATICALLY/ MANUALLY ACTIVATED	1
	INERT GAS SYSTEM CYLINDERS (MAIN/ RESERVE)	1
	WHEELED CO2 CHEMICAL EXTINGUISHER (45.5 KG)	1
	WATER SPRAY SYSTEM	2

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	B	C	D	E	F	G	H	J	K	L					

EGPC
THE EGYPTIAN GENERAL PETROLEUM CO. (EGPC)
FOR THE EGYPTIAN GENERAL PETROLEUM CORPORATION (EGPC)
J. S. HAS SHAWAR

CRUDE OIL TANK FARM PROJECT
SUBSTATION BUILDING
FIRE FIGHTING LAYOUT
CELLAR FLOOR PLAN

EGPC
ENGINEERING, DESIGN, CONSTRUCTION AND PROCESS INDUSTRIES
EGPC ENGINEERING, DESIGN, CONSTRUCTION AND PROCESS INDUSTRIES

SCALE: NONE 01251-100-030-AFD-003 1 OF 1



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

4- System Limits Marked Up P&ID



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

5- System Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

6- Piping Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID

030-LP-004

System Description

Portable Fire protection equipment system

6.01- Piping Test Packs



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

6.02- Piping Pre-commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

7- Piping Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID

030-LP-004

System Description

Portable Fire protection equipment system

7.01- Service Test, GLT, CLT and N2 Purging Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

7.02- Piping Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8- Mechanical pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.01- System Mechanical Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.02- Equipment Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.03- Equipment Datasheets



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.04- Boxing-up Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.05- Grouting Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.06- Pre-Alignment Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

8.07- Mechanical Pre-Commissioning Checklists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

9- Mechanical Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

9.01- Final Alignment Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

9.02- Motor Solo Run Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

9.03- Mechanical Run Test (MRT) Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

9.04- Mechanical Commissioning Checklists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

9.05- Mechanical Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10- Instrumentation Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.01- System Instrument Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.02- Instrument Data Sheets



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.03- Instrument Cable Schedule



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.04- System Instrumentation Wiring Diagram



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID 030-LP-004

System Description Portable Fire protection equipment system

10.05- Hook-up Drawing (Mechanical & Pneumatic)



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.06- Instruments Cables Schedule



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.07- Instruments Cables Laying Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.08- Instruments Cables Termination Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.09- Instruments Cables Testing Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.10- Instruments Calibration Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.11- Instrument Loop Checks Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.12- Instrumentation Pre-Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

10.13- Instrumentation Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

11- Instrumentation Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

11.01) Instrumentation Function Test Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

11.02- Instrumentation Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12- Electrical Pre-Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.01- System Electrical Index



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.02- Electrical Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.03- Motor Datasheets



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.04- Electrical Cables Schedule



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.05- Electrical Cables Laying Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.06- Electrical Cables Testing Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.07- Electrical Cables Termination Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.08- FAT Reports & Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.09- SAT Reports & Certificates



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.10- Electrical Pre-Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

12.11- Electrical Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

13- Electrical Commissioning



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

13.01- Electrical -Commissioning Check Lists



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

13.02- Electrical Supplier Check Lists & Reports



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

14- Red Marked-up Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

14.01- P&ID



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

14.02- Instrumentation Drawings



Project: 01251-100
CRUDE OIL TANK FARM PROJECT (AGROOD AREA)



System ID	030-LP-004
System Description	Portable Fire protection equipment system

14.03- Electrical Drawings